

## SEQUENCE LISTING

<110> Banerjee, Subhashis  
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 Salfeld, Jochen G  
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<120> TREATMENT OF PULMONARY DISORDERS USING TNF $\alpha$  INHIBITORS

<130> BPI-189

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<150> 60/397,275

<151> 2002-07-19

<150> 60/411,081

<151> 2002-09-16

<150> 60/417,490

<151> 2002-10-10

<150> 60/455,777

<151> 2003-03-18

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Asp	Arg	Val	Thr	Ile	Thr	Cys	Arg	Ala	Ser	Gln	Gly	Ile	Arg	Asn	Tyr
		20						25					30		
Leu	Ala	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu	Leu	Ile
		35					40					45			
Tyr	Ala	Ala	Ser	Thr	Leu	Gln	Ser	Gly	Val	Pro	Ser	Arg	Phe	Ser	Gly
	50					55				60					
Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro
65					70					75				80	
Glu	Asp	Val	Ala	Thr	Tyr	Tyr	Cys	Gln	Arg	Tyr	Asn	Arg	Ala	Pro	Tyr



85 90 95  
 Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys  
 100 105

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 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg  
 1 5 10 15  
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr  
 20 25 30  
 Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45  
 Ser Ala Ile Thr Trp Asn Ser Gly His Ile Asp Tyr Ala Asp Ser Val  
 50 55 60  
 Glu Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
 65 70 75 80  
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95  
 Ala Lys Val Ser Tyr Leu Ser Thr Ala Ser Ser Leu Asp Tyr Trp Gly  
 100 105 110  
 Gln Gly Thr Leu Val Thr Val Ser Ser  
 115 120

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 <223> Xaa = Thr or Ala

<223> Mutated human antibody

<400> 3  
 Gln Arg Tyr Asn Arg Ala Pro Tyr Xaa  
 1 5

<210> 4  
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<220>  
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<223> Mutated human antibody



## BPI-189

<400> 4

Val Ser Tyr Leu Ser Thr Ala Ser Ser Leu Asp Xaa  
1 5 10

<210> 5

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<212> PRT

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Ala Ala Ser Thr Leu Gln Ser  
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Ala Ile Thr Trp Asn Ser Gly His Ile Asp Tyr Ala Asp Ser Val Glu  
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Gly

<210> 7

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Arg Ala Ser Gln Gly Ile Arg Asn Tyr Leu Ala  
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Asp Tyr Ala Met His  
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# BPI-189

<212> PRT

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<223> Mutated human antibody

<400> 9

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Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Ile Gly
 1           5           10           15
Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Arg Asn Tyr
          20           25           30
Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
          35           40           45
Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
          50           55           60
Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65           70           75           80
Glu Asp Val Ala Thr Tyr Tyr Cys Gln Lys Tyr Asn Ser Ala Pro Tyr
          85           90           95
Ala Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
          100           105

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<210> 10

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<213> Artificial Sequence

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<223> Mutated human antibody

<400> 10

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Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
 1           5           10           15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
          20           25           30
Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Asp Trp Val
          35           40           45
Ser Ala Ile Thr Trp Asn Ser Gly His Ile Asp Tyr Ala Asp Ser Val
          50           55           60
Glu Gly Arg Phe Ala Val Ser Arg Asp Asn Ala Lys Asn Ala Leu Tyr
65           70           75           80
Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
          85           90           95
Thr Lys Ala Ser Tyr Leu Ser Thr Ser Ser Ser Leu Asp Asn Trp Gly
          100           105           110
Gln Gly Thr Leu Val Thr Val Ser Ser
          115           120

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<210> 11

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<400> 11

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Gln Lys Tyr Asn Ser Ala Pro Tyr Ala
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Gln Lys Tyr Asn Ser Ala Ala Tyr Ser  
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<210> 22

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Gln Lys Tyr Asn Ser Asp Pro Tyr Thr  
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<400> 25

Gln Lys Tyr Asn Arg Pro Pro Tyr Thr  
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Gln Arg Tyr Asn Arg Ala Pro Tyr Ala  
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<400> 33

Ala Ser Phe Leu Ser Thr Ser Ser Ser Leu Glu Tyr  
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<400> 34

Ala Ser Tyr Leu Ser Thr Ala Ser Ser Leu Glu Tyr  
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<210> 35

<211> 12



&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Mutated human antibody

&lt;400&gt; 35

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1				5					10		

&lt;210&gt; 36

&lt;211&gt; 321

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Mutated human antibody

&lt;400&gt; 36

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cggttcagt	gcagtggatc	tgggacagat	ttcactctca	ccatcagcag	cctacagcct	240
gaagatgttg	caacttatta	ctgtcaaagg	tataaccgtg	caccgtatac	ttttggccag	300
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&lt;210&gt; 37

&lt;211&gt; 363

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Mutated human antibody

&lt;400&gt; 37

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gcggactctg	tggagggccg	attcaccatc	tccagagaca	acgccaagaa	ctccctgtat	240
ctgcaaata	acagtctgag	agctgaggat	acggccgtat	attactgtgc	gaaagtctcg	300
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